

CLAIMS

What is claimed is:

5 **1.** An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA encoding an immunoglobulin heavy chain.

10 **2.** An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA which encodes an immunoglobulin light chain.

15 **3.** An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA which encodes an immunoglobulin heavy chain and an immunoglobulin light chain.

20 **4.** A method for expressing a functional immunoglobulin, comprising
 a) infecting a mammalian cell with an expression vector, said expression vector comprising a recombinant non-segmented negative-stranded RNA virus vector expressing immunoglobulin heavy and light chains;
 b) harvesting tissue culture supernatants;
 c) inactivating virus;
 d) testing for the presence of neutralizing antibody.

25 **5.** A method for expressing a functional immunoglobulin, comprising
 a) double-infecting a mammalian cell with expression vectors, comprising a recombinant non-segmented negative-stranded RNA virus vector expressing an immunoglobulin heavy chain and a recombinant non-segmented negative-stranded RNA virus vector expressing an immunoglobulin light chain;
 b) harvesting tissue culture supernatants;
 c) inactivating virus; and
 d) testing for the presence of neutralizing antibody.

6. A method of treating a condition in which an antigen is recognized, comprising:

- administering a therapeutically effective amount of a purified antibody;
- binding of said purified antibody to said antigen; and
- preventing a diseased state from persisting.

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7. A method of treating a condition in which an antigen is recognized, comprising:

- administering a therapeutically effective amount of a purified viral vector, said vector comprising a recombinant non-segmented, negative-stranded RNA virus vector expressing an antibody;
- binding of said antibody to said antigen; and
- preventing a diseased state from persisting.

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8. A method of prophylactically preventing a condition in which an antigen is recognized, comprising:

- administering a therapeutically effective amount of a purified antibody;
- binding of said purified antibody to said antigen; and
- preventing a diseased state from occurring.

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9. A method of prophylactically preventing a condition in which an antigen is recognized, comprising:

- administering a therapeutically effective amount of a purified viral vector, said vector comprising a recombinant non-segmented, negative-stranded RNA virus vector expressing an antibody;
- binding of said antibody to said antigen; and
- preventing a diseased state from occurring.

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